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Transportation

**MOBILITY EQUIPMENT AIR CARGO
PALLET AND NETS**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction establishes responsibilities and procedures for management, storage facility, care, and exchange or repair of air cargo pallets and nets. It implements AFRPD 24-2, *Preparation and Movement of Air Force Material*. This instruction will be used with AFR 76-13, *Management of System 463L Pallets and Nets, and Tie-Down Equipment*. This instruction applies to organizations within the 419th Fighter Wing that have custodial responsibilities for air cargo pallets and nets.

SUMMARY OF REVISIONS

This revision moves mandatory cleaning of 463L pallets before bringing them back into the country from para A1.1.2. to para A1.1.4, and changes stacking of empty pallets from 40 to 50 high (para A1.3.3). An (I) indicates revisions from the previous edition.

1. LSS/LGT Responsibilities:

- 1.1. Be the primary custodian and full time point of contact for pallets and nets.
- 1.2. Ensures that pallets and nets are stored and cared for as prescribed in Attachments 1 and 2, serviceable, ready for inspection and available for use if needed for deployments, mobility exercises, or other contingencies.
- 1.3. Performs an in-depth inventory and inspection semi-annually of all pallets and nets utilizing the War Readiness Material (WRM) 463L Pallet Management checklist, Attachment 3 to determine serviceability.
- 1.4. Submits the pallet and net report to 10 AF/LGT quarterly unless otherwise directed. Prior to submission, coordinate the report with 419 FW/XP.

2. Custodian Responsibilities. Initiates a DD Form 1577-2, **Unserviceable Tag** on any pallets or nets beyond the organization's repair capability. Custodian will then turn in tagged equipment to air freight for a one for one exchange.

3. XP Responsibilities:

- 3.1. Reports any notification of changes in pallet and net authorizations to LSS/LGT.
- 3.2. Assists in keeping accountable records up-to-date as to authorizations and balances on hand.

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Attachment 1

REFERENCE LIST 463L MASTER PALLET (REF: T.O. 35D33-2-2-2)

A1.1. Cleaning:

A1.1.1. All soiled pallets will be thoroughly cleaned with scrub brush.

A1.1.2. Clean with warm water or steam clean, using a mild cleaning agent on facing.

A1.1.3. Remove grease or oily substance by using dry cleaning solvent.

A1.1.4. Mandatory by the U.S. Department of Agriculture all 463L pallets used outside of the United States will be cleaned before bringing them back into the country.

A1.2. Inspection:

A1.2.1. Pallet inspection to ensure serviceability.

A1.2.1.1. Check for flatness.

A1.2.1.1.1. Use a 108 inch minimum straight edge.

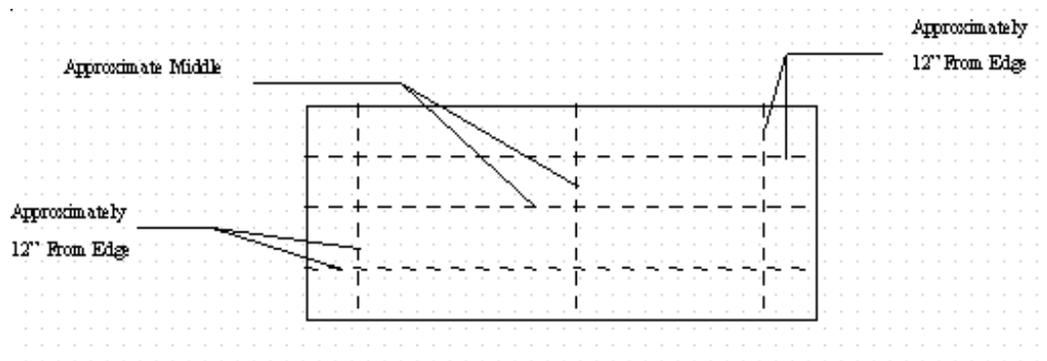
A1.2.1.1.2. Use 3/16 and 5/16 inch gauge drill bits are satisfactory.

A1.2.1.1.3. Check HCU-6/E pallets with all 1 inch high locking lips and pallets with both 1 inch and 7/8 inch high locking lips. Check for flatness with 3/16 inch gauge. If gap exceeds 3/16 inch, pallet depot repairable.

A1.2.1.1.4. Check HCU-6/E pallets with all 7/8 inch high locking lips. Check with 5/16 inch gauge. If gap exceeds 5/16 inch, pallet is depot repairable.

A1.2.1.1.5. Check pallet at each location shown by the dotted lines in the figure 1 below.

Figure A1.1. Pallet Inspection.



A1.2.2. Check for missing rings.

A1.2.3. Check for broken pallet locking lips.

A1.2.4. Check for skin damage, gouges and dents. Dents, gouges or scratches that do not fracture the face skin need not be repaired.

A1.2.5. Check for delamination.

A1.2.5.1. Surface delamination exceeding 12 inches long in any direction or exceeding 32 square inches in area is depot repairable.

A1.2.5.2. Edge delamination exceeding 12 inches total accumulated length or more than two separate delaminations on any one side is depot repairable.

A1.3. Pallet Storage:

A1.3.1. Dunnage required. Wood minimum 4 x 4's that are 88 inches long.

A1.3.2. Dunnage will provide three rows of support to each ten pallets.

A1.3.2.1. One row under each slide (88 inch side).

A1.3.2.2. One row under the center.

A1.3.3. Empty pallets may be stacked 50 pallets high provided adequate dunnage is used.

A1.3.4. Substitute for dunnage is nine sand bags (minimum), arranged to provide two outer and one center line support.

A1.3.5. Long term storage requirement.

A1.3.5.1. Plastic barrier will be placed between dunnage and pallets to prevent moisture from penetrating through dunnage to bottom of pallet.

A1.3.5.2. Place plastic barrier between top of pallets and load prevent moisture accumulation between load and pallet.

A1.3.5.3. Palletized loads placed in this type of storage will be given sloping dunnage to allow for moisture drainage. Place the elevating material (scrap lumber or equivalent of the same size) under one end of the dunnage, not between the dunnage and the pallet.

A1.3.5.4. Palletized loads placed in this type of storage will not be restrained with 463L cargo nets.

Attachment 2

REFERENCE LIST CARGO PALLETS AND NETS (REF: T.0. 35D33-2-3-1)(HUC-7/E AIR CARGO PALLET SIDE NET (2 EACH))(HCU-15/C AIR CARGO PALLET TOP NET)

A2.1. Cleaning:

A2.1.1. Oil or grease on nets. Small drops will not harm the nets. Large spots will be removed by washing with mild soap and tap water.

A2.1.2. Salt water. Rinse several times with tap water. Allow to drip dry in shade. (Do not use heat.)

A2.1.3. Sunlight and heat. Keep away from heat sources such as radiators and direct sunlight.

A2.1.4. Steam heat or cleaning with high temperature is prohibited.

A2.1.5. Cleaning of nets used outside of the United States is mandatory and required by the US Department of Agriculture.

A2.2. Inspection:

A2.2.1. Webbing.

A2.2.1.1. Nets are serviceable if scuffs or tears are less than 15% of whole net.

A2.2.1.2. Repair by using soldering iron to sear.

A2.2.1.3. Stitching may not be broken. Webbing may be resown by stitching 6 to 8 stitches per inch.

A2.2.2. Hardware.

A2.2.2.1. Rust.

A2.2.2.1.1. No replacement necessary unless interfacing with moving parts.

A2.2.2.1.2. If moving parts cannot be freed and continue to bind, replace parts (such as keepers and hooks).

A2.2.2.1.3. Do not use lubricants to free the binding part.

A2.2.2.2. Bent hardware. Replace hardware twisted or bent out of shape.

A2.2.2.3. Rough spots may be filed smooth.

A2.3. Storage.

A2.3.1. Loose nets will not be left outside without protective coverage for a period exceeding 72 clock hours.

A2.3.2. Store in a cool, dry, covered space from heat, direct sunlight and moisture.

A2.3.2.1. Bins or boxes lined with water-vapor proof barrier material.

A2.3.2.2. Pallets.

A2.3.2.3. Net racks preferred.

A2.3.3. Nets must be dry before storage.

A2.3.4. Do not store with/near acid, batteries, chemicals or alkalies.

A2.3.5. Corrosion removed as prescribed in T.O. 1-I-2. Hardware will be treated with a corrosion preventative compound.

Attachment 3

WAR READINESS MATERIAL (WRM) 463L PALLET MANAGEMENT

- A3.1.** Have the pallet and net custodians been appointed by letter and is a record available of their training?
- A3.2.** Have pallet and net custodians been trained to properly store pallets and nets and inspect them for serviceability and to identify repairs needed?
- A3.3.** Has a single point of contact been assigned to monitor all WRM pallets and nets?
- A3.4.** Does the pallet/net monitors attend the WRM Review Board Meeting?
- A3.5.** Is the pallet and net report submitted monthly unless otherwise directed?
- A3.6.** Are pallets stored as prescribed in T.O. 35D33-2-2-2?
- A3.6.1. Stored topside up with a maximum of 40 high with dunnage between each group of 10 pallets?
 - A3.6.2. Are they supported by 3 pieces of 4" X 4" dunnage, 88" in length placed under 88" side. (One under each side and center)?
 - A3.6.3. Are corrosion control measures properly performed, with pallet rings painted and free from corrosion and rust?
- A3.7.** Are nets properly stored as prescribed in T.O. 35D33-2-3-1?
- A3.7.1. Are the nets properly cleaned, dried, and stored in a cool dry, covered place?
 - A3.7.2. Are they stored in bins, on racks, pallets, or suitable boxes lined with water-vapor proof barrier material according to the quantity and size to be stored?
- A3.8.** Are the pallets and nets checked after each exercise and deployment to ensure their serviceability?
- A3.9.** Is a training program established to instruct custodians and other personnel on the proper procedures for handling, storing and inspecting pallets and nets?